

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070720\
 Data File : VY003131.D
 Acq On : 07 Jul 2020 17:02
 Operator : SY/MD
 Sample : L3230-02RE
 Misc : 7.33G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-BPM-01-C4-D4-C4A-D4A

Quant Time: Jul 08 03:52:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	253812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	411643	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	416459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	219533	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	138401	54.90	ug/l	0.00
Spiked Amount			Recovery	=	109.80%	
35) Dibromofluoromethane	7.73	113	139818	54.45	ug/l	0.00
Spiked Amount			Recovery	=	108.90%	
50) Toluene-d8	10.18	98	507546	53.05	ug/l	0.00
Spiked Amount			Recovery	=	106.10%	
62) 4-Bromofluorobenzene	12.48	95	188698	56.04	ug/l	0.00
Spiked Amount			Recovery	=	112.08%	

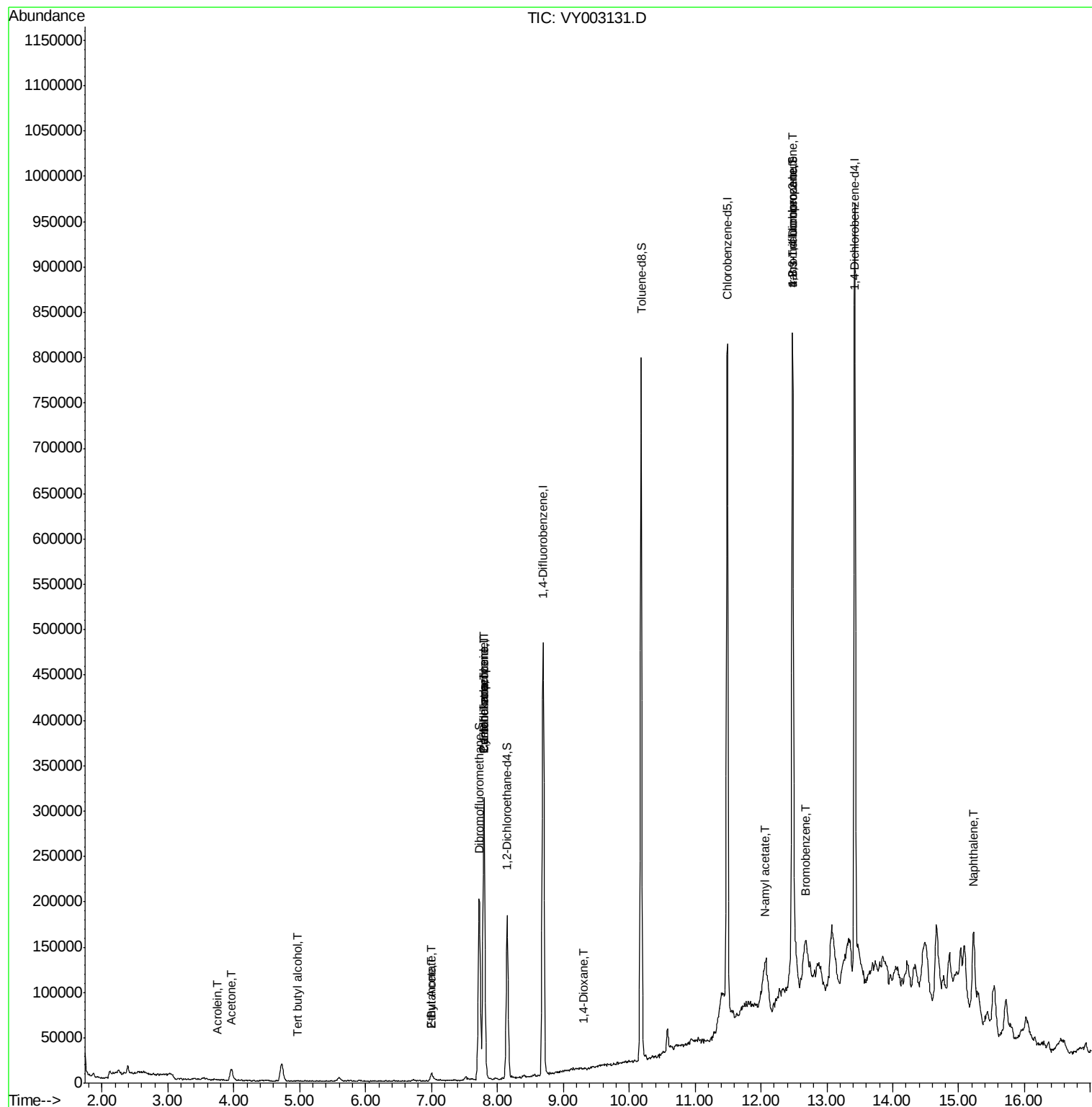
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.98	59	348	1.355	ug/l #	75
13) Acrolein	3.75	56	681	2.951	ug/l #	64
16) Acetone	3.96	43	24370	40.990	ug/l	96
20) Methylene Chloride	4.72	84	15223	Below Cal		88
25) 2-Butanone	7.00	43	12339	13.065	ug/l	98
31) Cyclohexane	7.79	56	5052	1.139	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	17211	4.341	ug/l #	51
37) Ethyl Acetate	7.00	43	12339	5.176	ug/l #	70
38) Carbon Tetrachloride	7.79	117	22926	5.557	ug/l #	17
49) 1,4-Dioxane	9.30	88	80	4.018	ug/l #	47
74) N-amyl acetate	12.06	43	26234	5.609	ug/l #	52
76) 1,2,3-Trichloropropane	12.48	75	98893	45.516	ug/l #	100
77) Bromobenzene	12.67	156	50256	13.642	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.48	75	98893	88.555	ug/l #	13
95) Naphthalene	15.22	128	10363	1.237	ug/l #	37

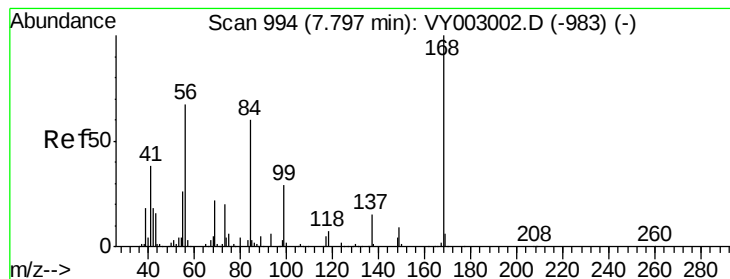
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY070720\
Data File : VY003131.D
Acq On : 07 Jul 2020 17:02
Operator : SY/MD
Sample : L3230-02RE
Misc : 7.33G/5ML/MSVOA Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
FK-BPM-01-C4-D4-C4A-D4A

Quant Time: Jul 08 03:52:32 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 30 04:11:35 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003131.D

Acq: 07 Jul 2020 17:02

Instrument :

MSVOA_Y

ClientSampleId :

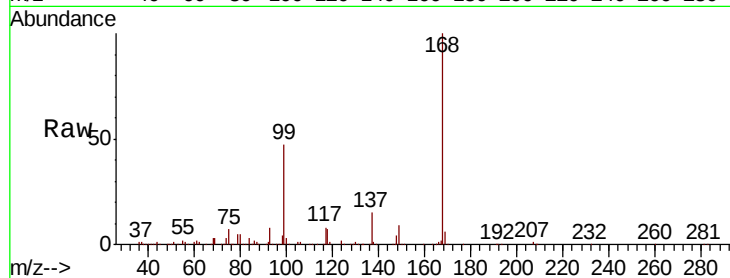
FK-BPM-01-C4-D4-C4A-D4A

Tot Ion:168 Resp: 253812

Ion Ratio Lower Upper

168 100

99 47.2 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003131.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003131.D (-945) (-)

7.80

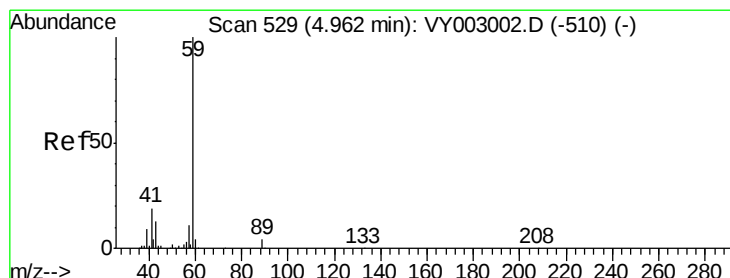
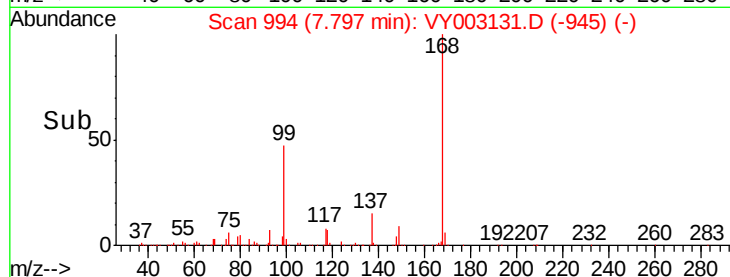
100000

50000

0

Time-->

7.70 7.80 7.90



#11

Tert butyl alcohol

Concen: 1.355 ug/l

RT: 4.98 min Scan# 532

Delta R.T. 0.02 min

Lab File: VY003131.D

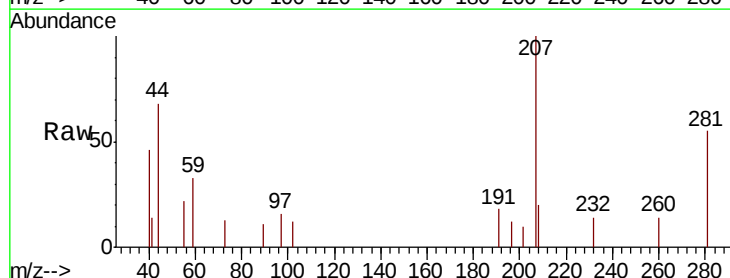
Acq: 07 Jul 2020 17:02

Tgt Ion: 59 Resp: 348

Ion Ratio Lower Upper

59 100

57 19.3 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VY003131.D (-480) (-)

Ion 57.00 (56.70 to 57.70): VY003131.D (-480) (-)

4.98

200

150

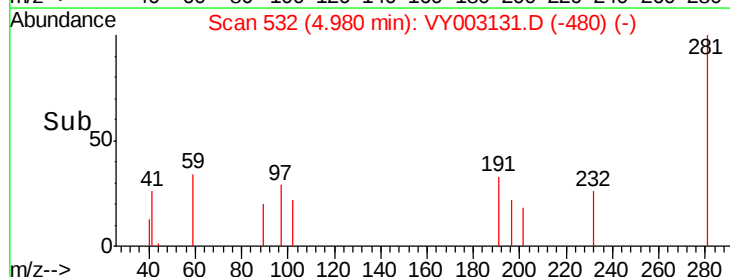
100

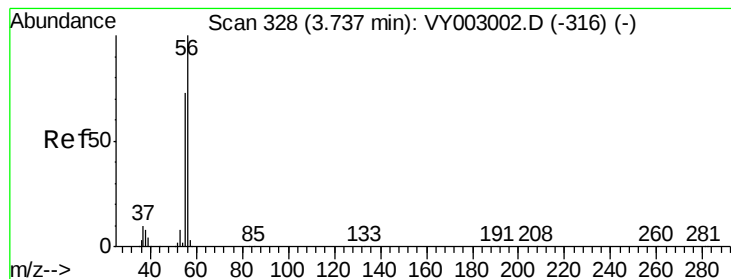
50

0

Time-->

4.95 5.00





#13

Acrolein

Concen: 2.951 ug/l

RT: 3.75 min Scan# 330

Delta R.T. 0.01 min

Lab File: VY003131.D

Acq: 07 Jul 2020 17:02

Instrument :

MSVOA_Y

ClientSampleId :

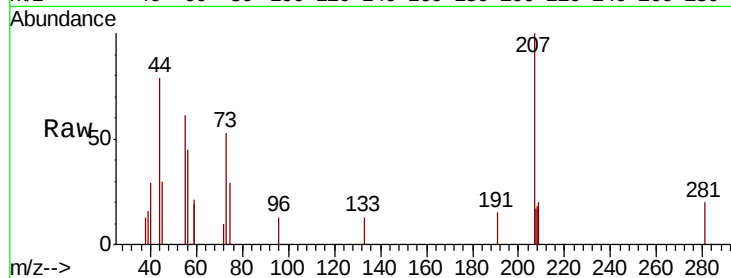
FK-BPM-01-C4-D4-C4A-D4A

Tot Ion: 56 Resp: 681

Ion Ratio Lower Upper

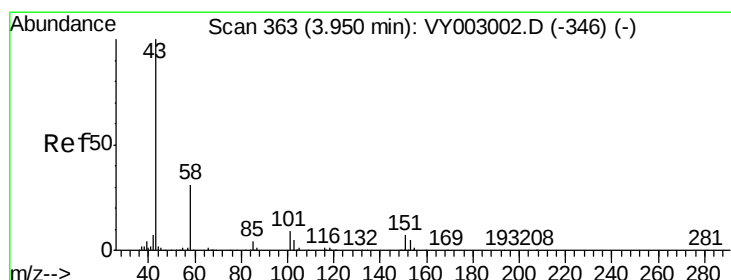
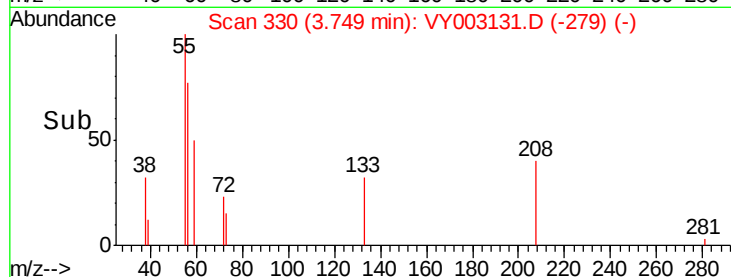
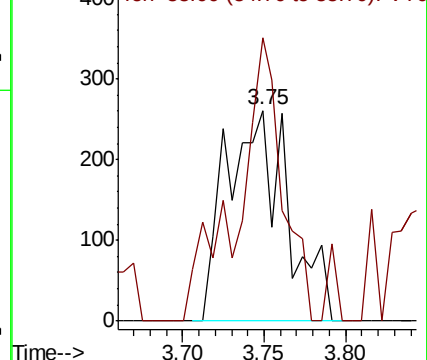
56 100

55 100.0 56.4 84.6#



Abundance Ion 56.00 (55.70 to 56.70): VY003131.D (-316) (-)

Ion 55.00 (54.70 to 55.70): VY003131.D (-316) (-)



#16

Acetone

Concen: 40.990 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003131.D

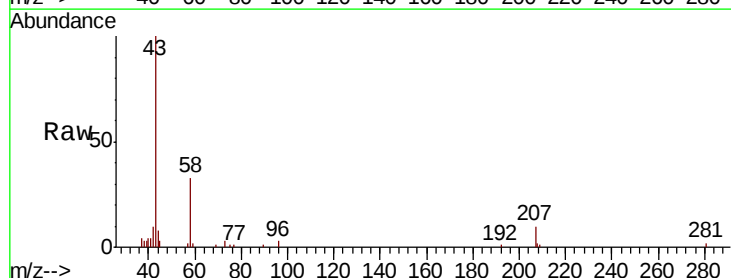
Acq: 07 Jul 2020 17:02

Tgt Ion: 43 Resp: 24370

Ion Ratio Lower Upper

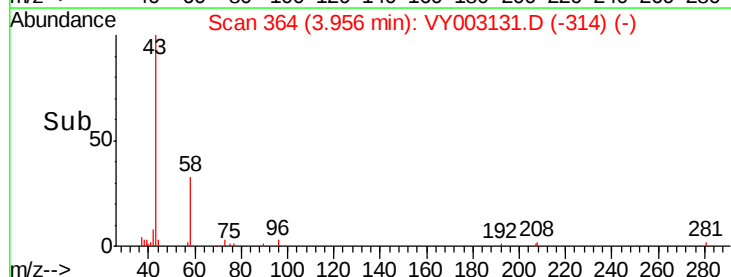
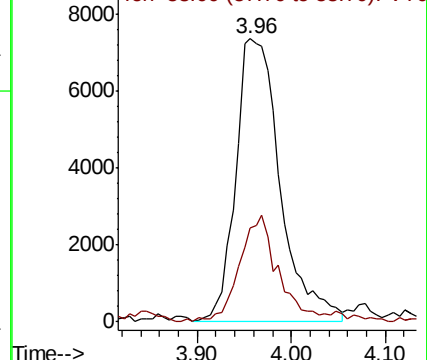
43 100

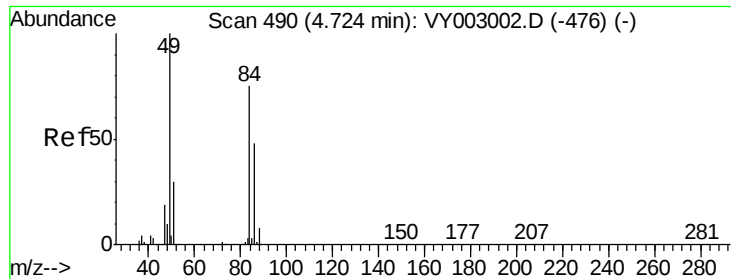
58 33.2 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VY003131.D (-314) (-)

Ion 58.00 (57.70 to 58.70): VY003131.D (-314) (-)

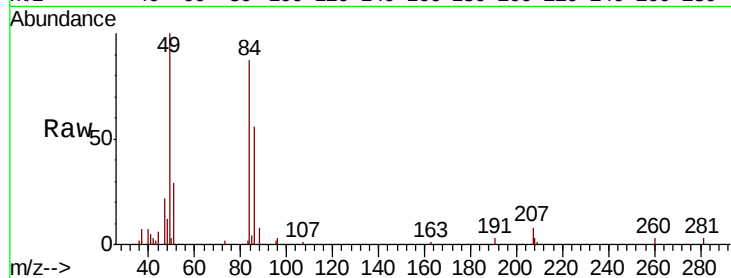




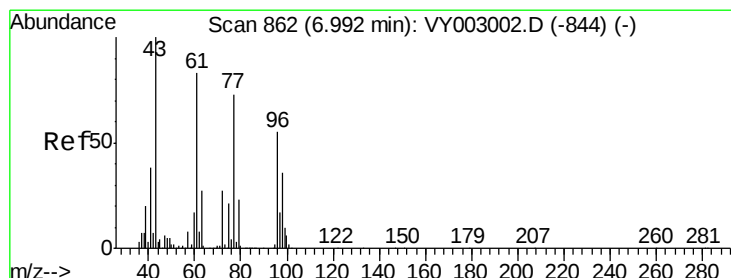
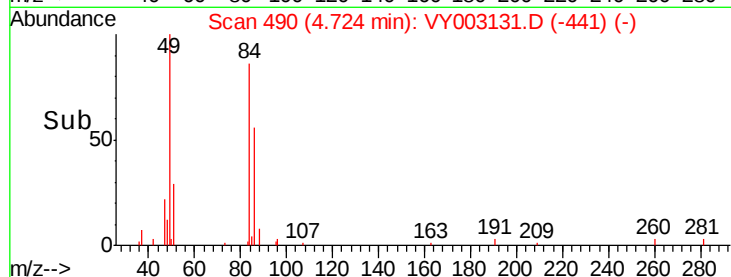
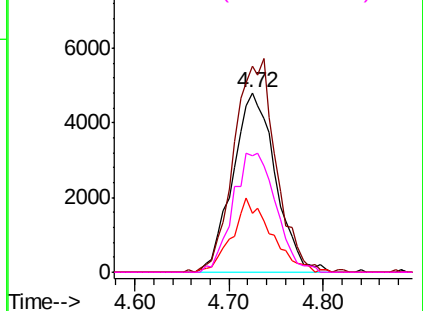
#20
Methylene Chloride
Concen: Below Cal
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003131.D
Acq: 07 Jul 2020 17:02

Instrument :
MSVOA_Y
ClientSampleId :
FK-BPM-01-C4-D4-C4A-D4A

Tot Ion: 84 Resp: 15223
Ion Ratio Lower Upper
84 100
49 113.7 106.8 160.2
51 32.7 32.0 48.0
86 64.7 51.4 77.2

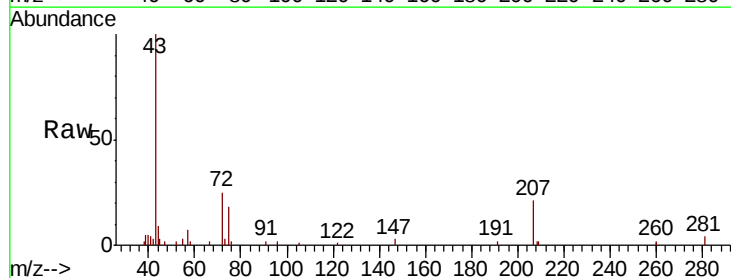


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

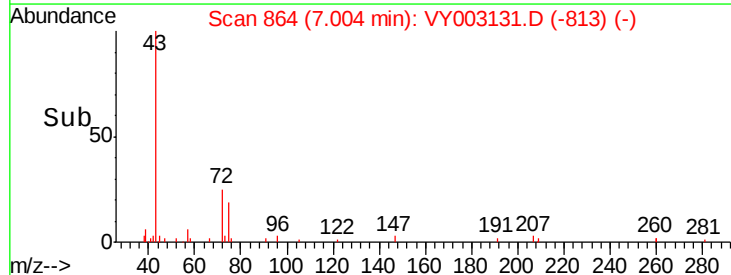
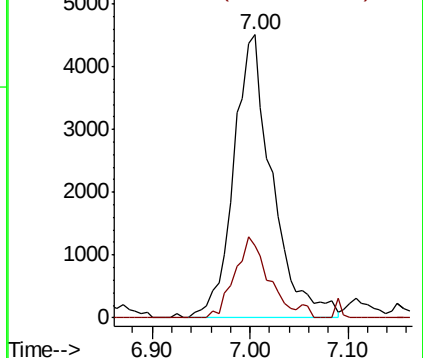


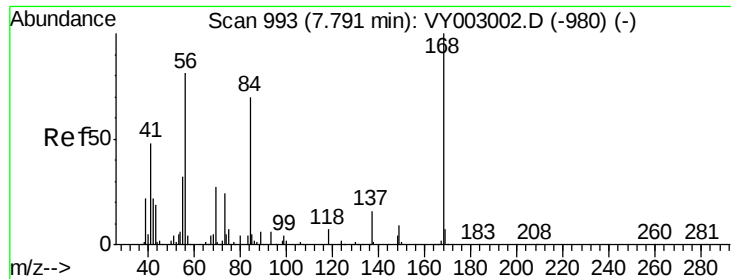
#25
2-Butanone
Concen: 13.065 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY003131.D
Acq: 07 Jul 2020 17:02

Tgt Ion: 43 Resp: 12339
Ion Ratio Lower Upper
43 100
72 25.4 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0

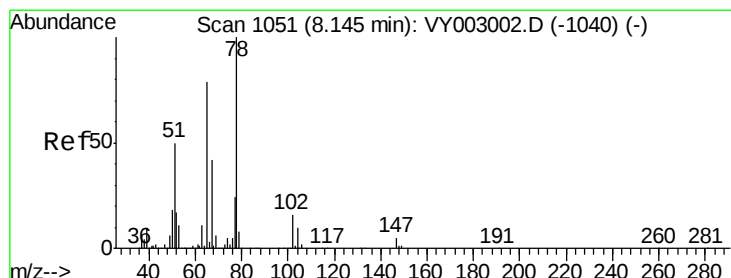
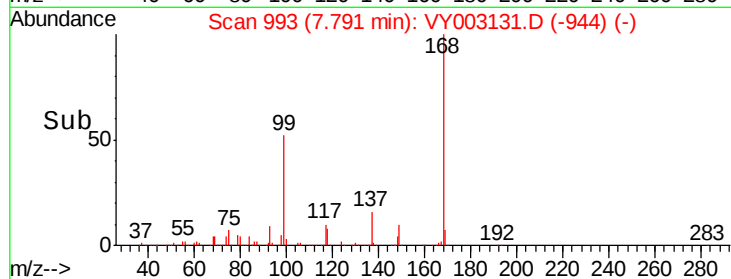
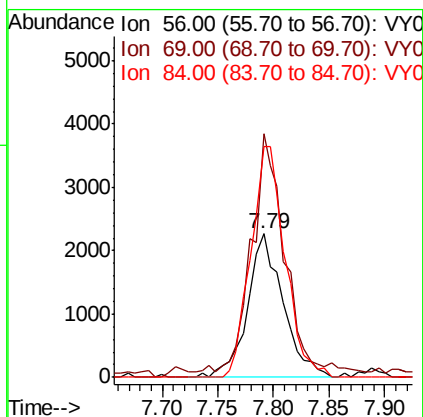
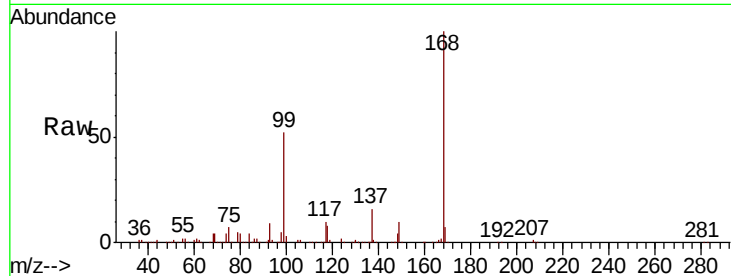




#31
Cyclohexane
Concen: 1.139 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY003131.D
Acq: 07 Jul 2020 17:02

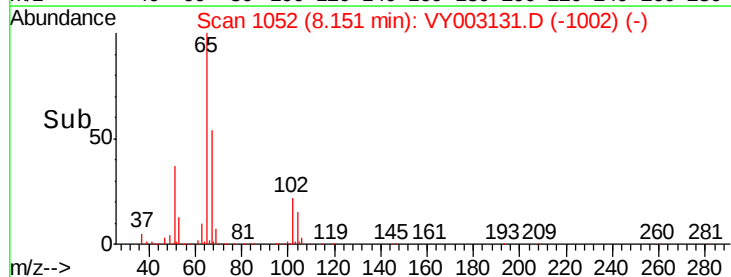
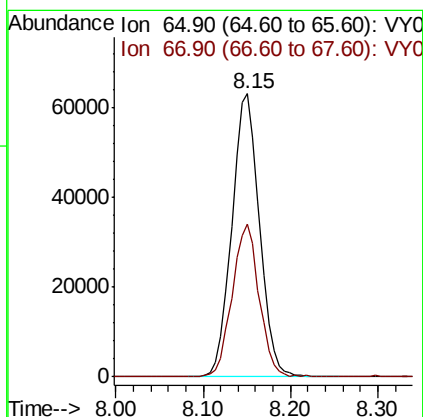
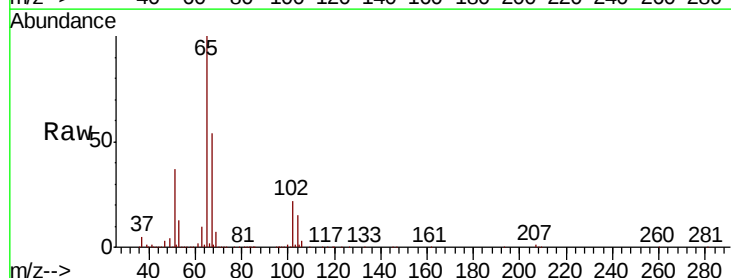
Instrument :
MSVOA_Y
ClientSampleId :
FK-BPM-01-C4-D4-C4A-D4A

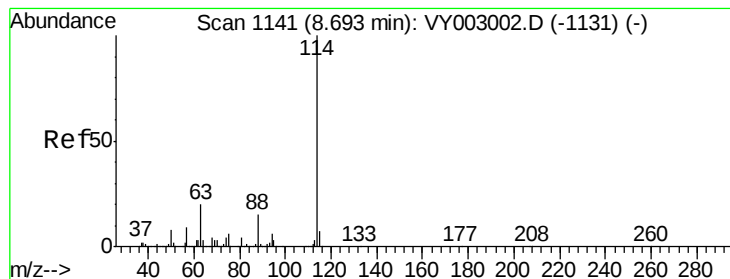
Tot Ion: 56 Resp: 5052
Ion Ratio Lower Upper
56 100
69 166.1 27.0 40.4#
84 160.9 68.1 102.1#



#33
1,2-Dichloroethane-d4
Concen: 54.902 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VY003131.D
Acq: 07 Jul 2020 17:02

Tgt Ion: 65 Resp: 138401
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VY003131.D

Acq: 07 Jul 2020 17:02

Instrument :

MSVOA_Y

ClientSampleId :

FK-BPM-01-C4-D4-C4A-D4A

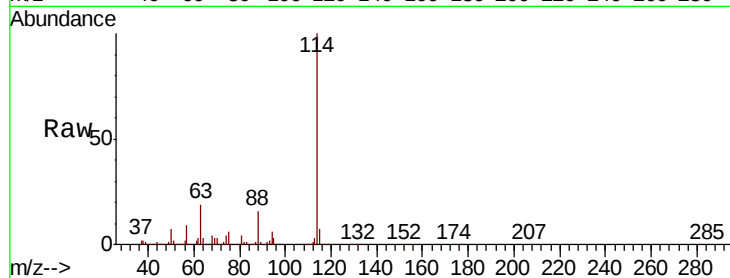
Tot Ion:114 Resp: 411643

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.6

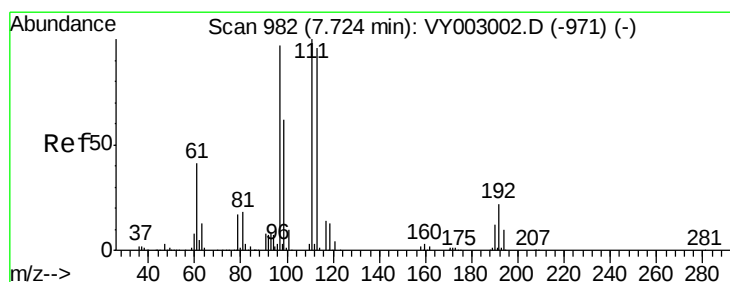
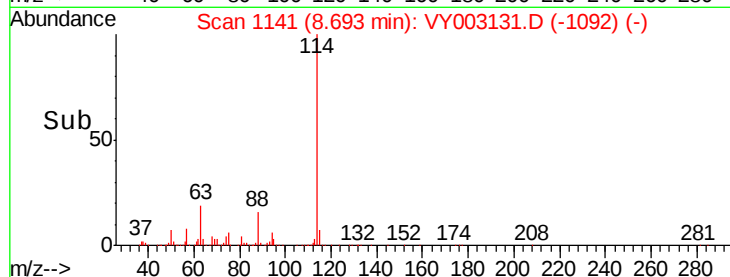
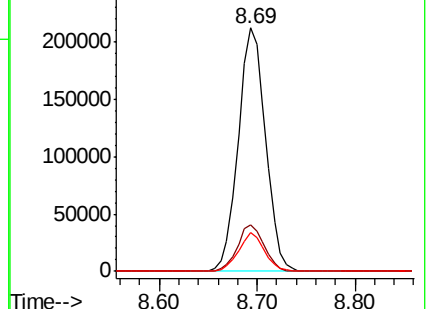
88 15.8 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 54.448 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY003131.D

Acq: 07 Jul 2020 17:02

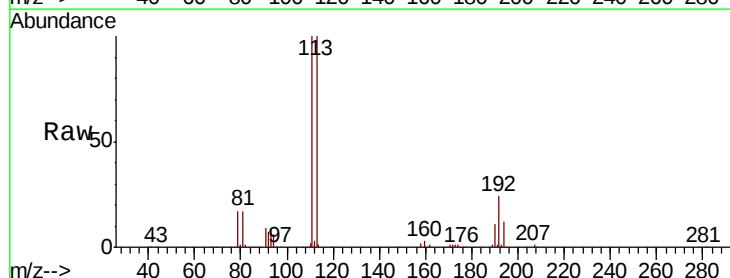
Tgt Ion:113 Resp: 139818

Ion Ratio Lower Upper

113 100

111 103.0 82.6 123.8

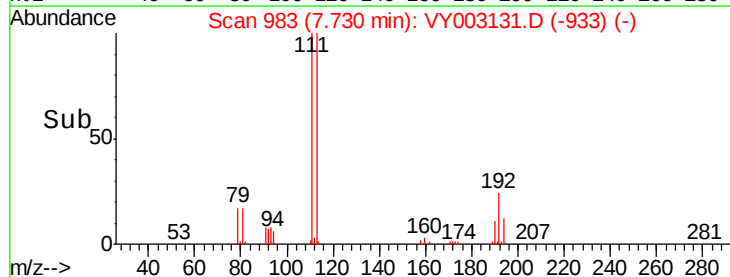
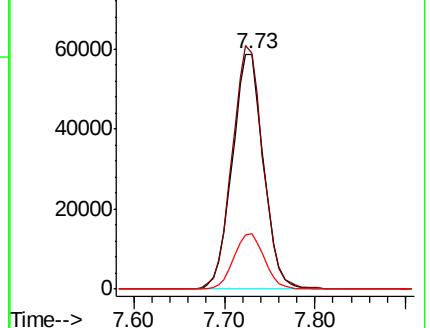
192 23.3 18.1 27.1

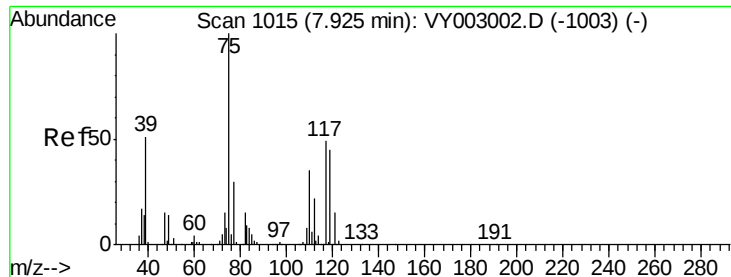


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.341 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003131.D

Acq: 07 Jul 2020 17:02

Instrument :

MSVOA_Y

ClientSampleId :

FK-BPM-01-C4-D4-C4A-D4A

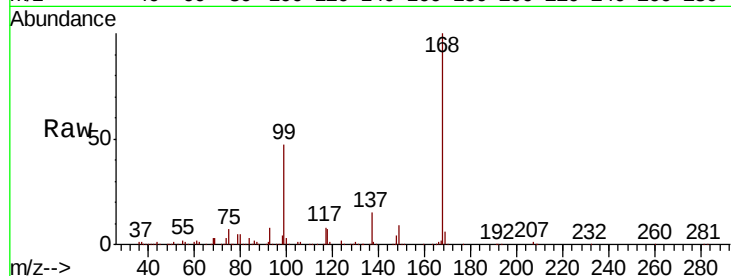
Tot Ion: 75 Resp: 17211

Ion Ratio Lower Upper

75 100

110 9.6 17.1 51.2#

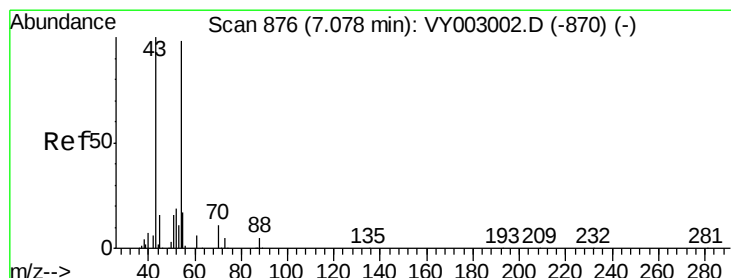
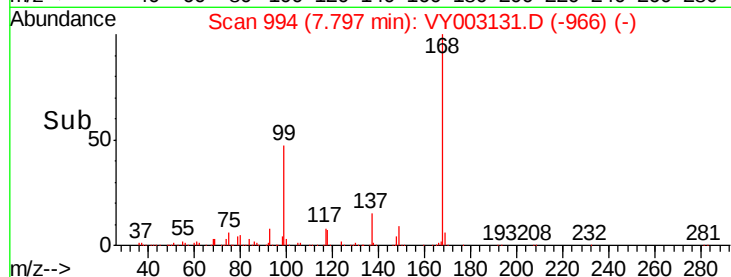
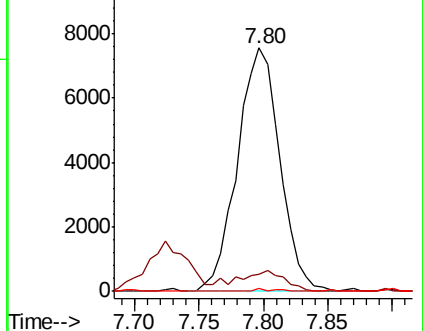
77 0.2 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#37

Ethyl Acetate

Concen: 5.176 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.07 min

Lab File: VY003131.D

Acq: 07 Jul 2020 17:02

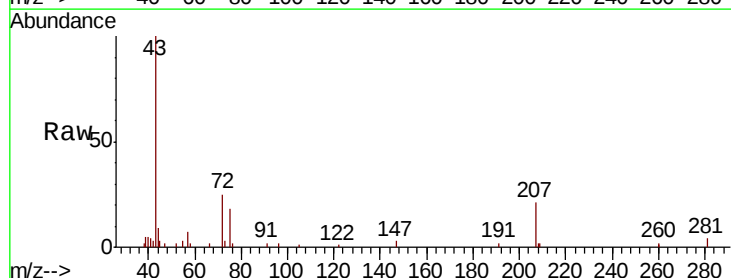
Tgt Ion: 43 Resp: 12339

Ion Ratio Lower Upper

43 100

61 0.0 10.4 15.6#

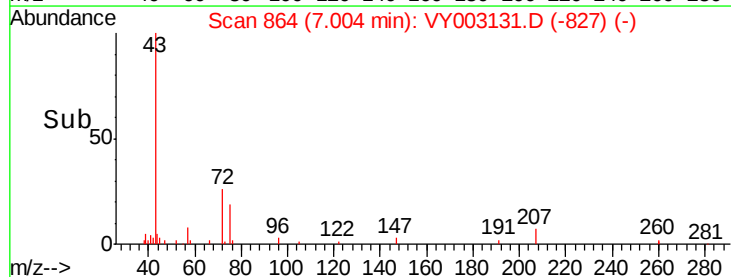
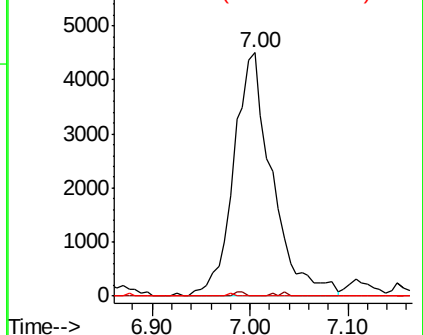
70 0.0 7.7 11.5#

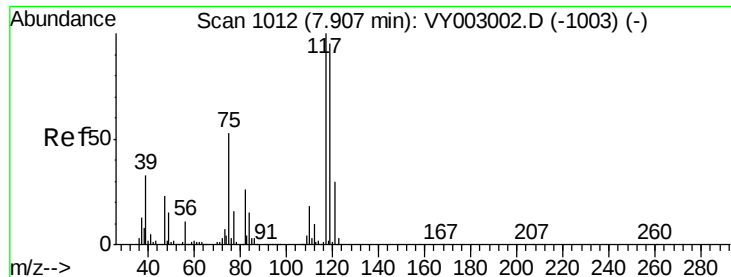


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 70.00 (69.70 to 70.70): VY0





#38

Carbon Tetrachloride

Concen: 5.557 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.12 min

Lab File: VY003131.D

Acq: 07 Jul 2020 17:02

Instrument :

MSVOA_Y

ClientSampleId :

FK-BPM-01-C4-D4-C4A-D4A

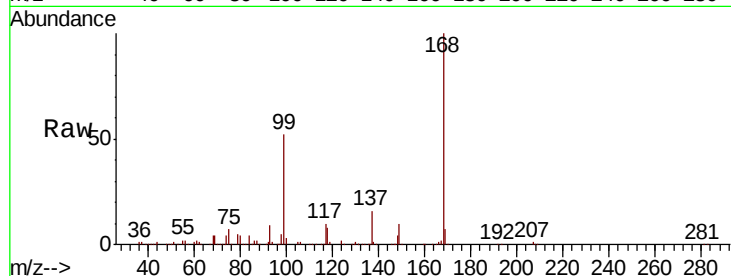
Tot Ion:117 Resp: 22926

Ion Ratio Lower Upper

117 100

119 5.3 75.7 113.5#

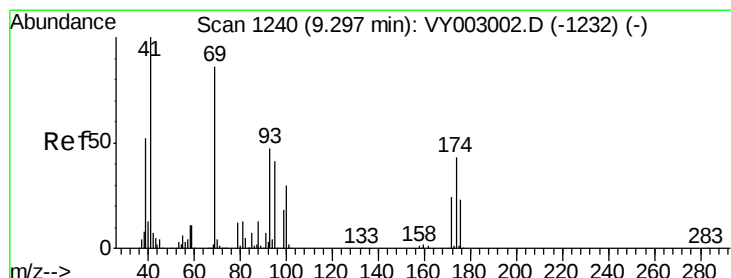
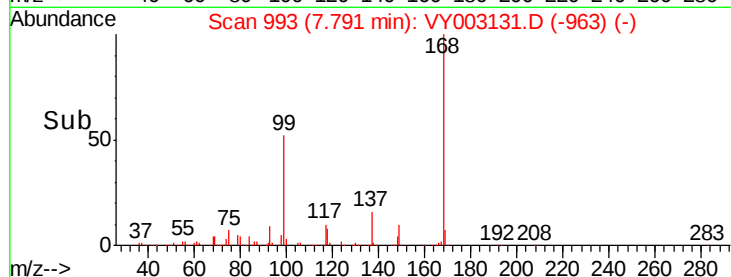
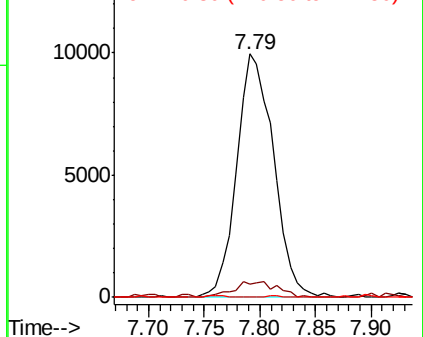
121 0.0 23.9 35.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 4.018 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VY003131.D

Acq: 07 Jul 2020 17:02

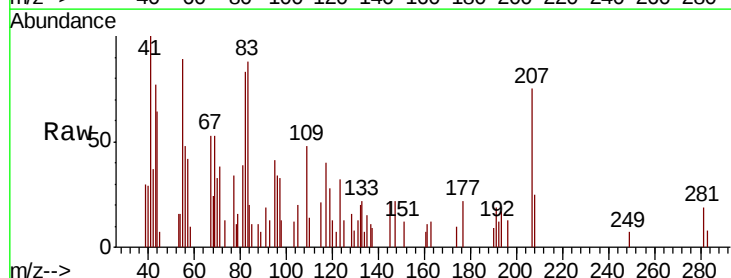
Tgt Ion: 88 Resp: 80

Ion Ratio Lower Upper

88 100

43 0.0 28.6 42.8#

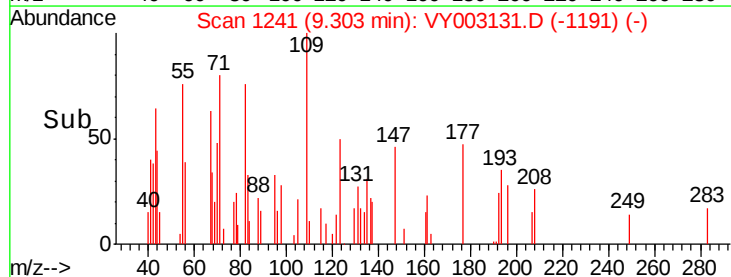
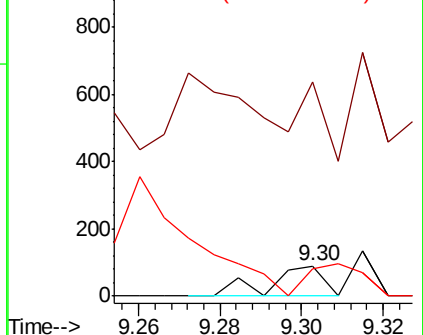
58 111.3 56.7 85.1#

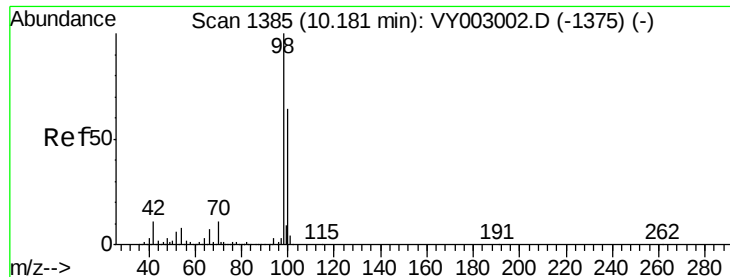


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 53.054 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003131.D

Acq: 07 Jul 2020 17:02

Instrument :

MSVOA_Y

ClientSampleId :

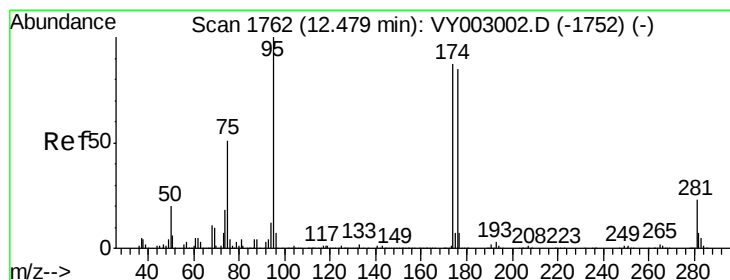
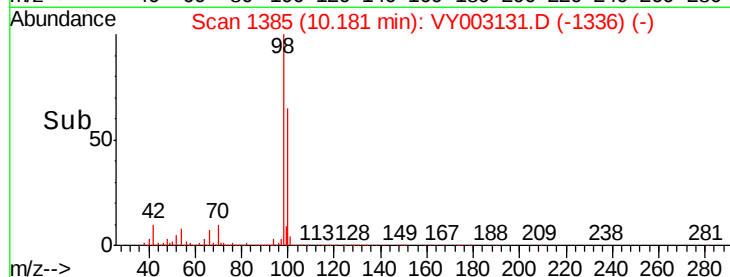
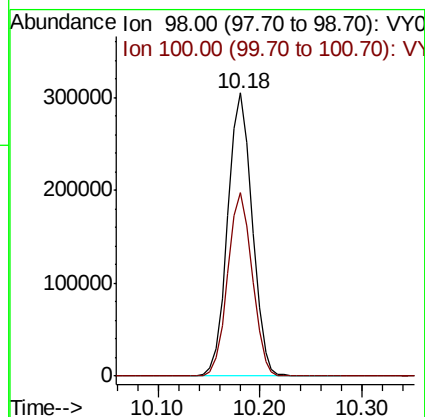
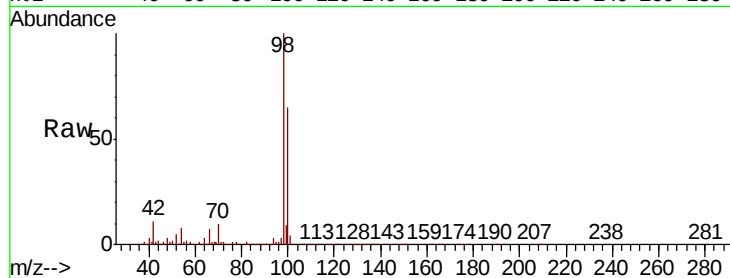
FK-BPM-01-C4-D4-C4A-D4A

Tot Ion: 98 Resp: 507546

Ion Ratio Lower Upper

98 100

100 64.6 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 56.036 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003131.D

Acq: 07 Jul 2020 17:02

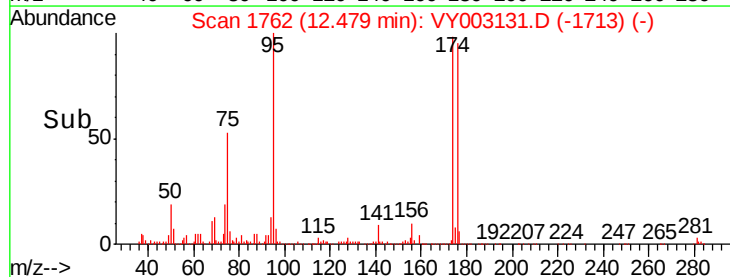
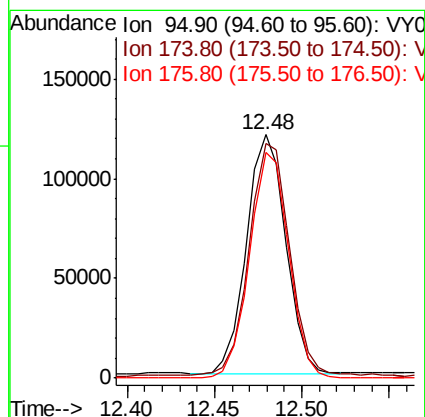
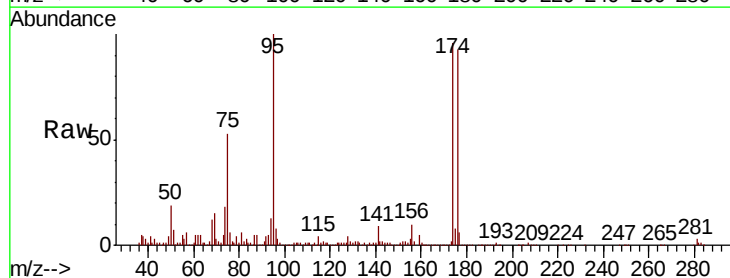
Tgt Ion: 95 Resp: 188698

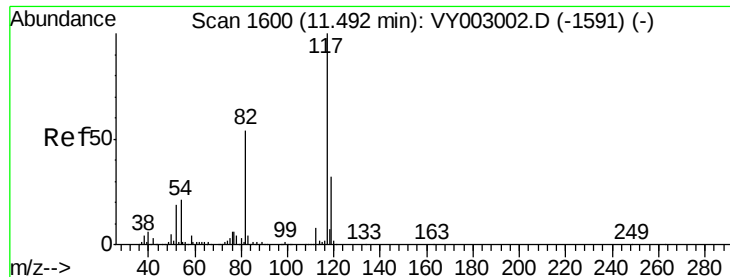
Ion Ratio Lower Upper

95 100

174 104.1 0.0 184.8

176 93.4 0.0 183.0

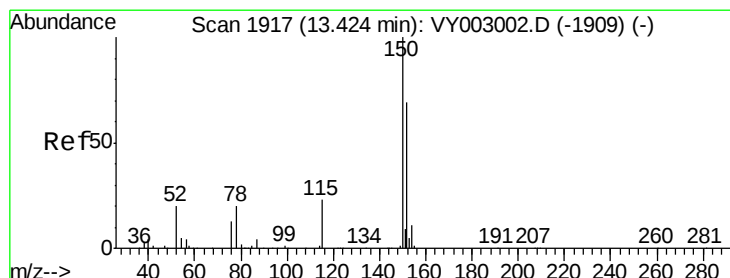
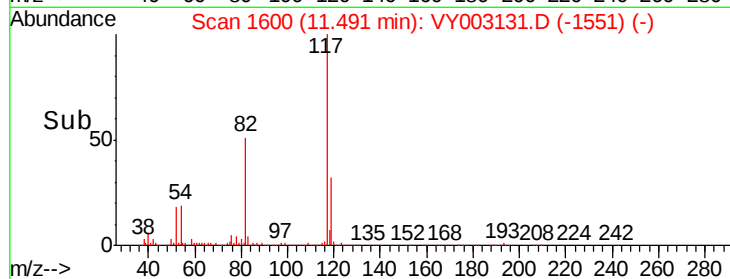
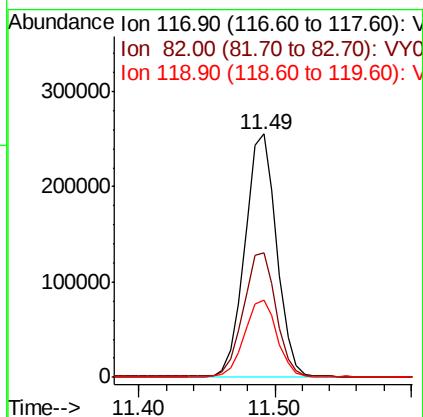
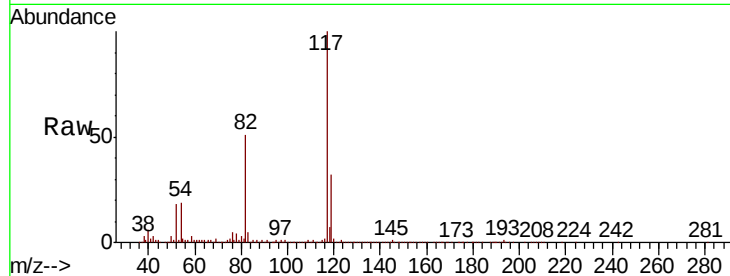




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003131.D
Acq: 07 Jul 2020 17:02

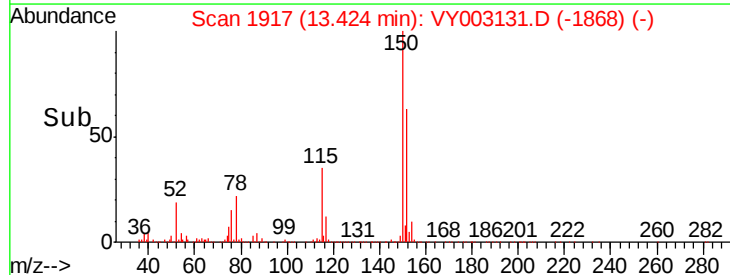
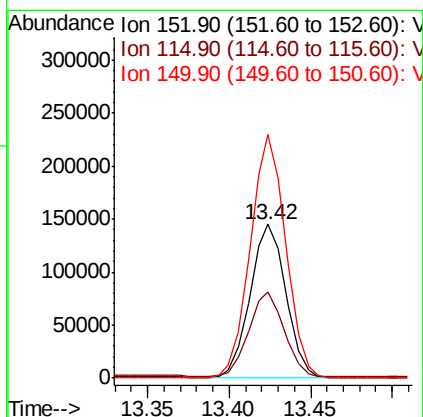
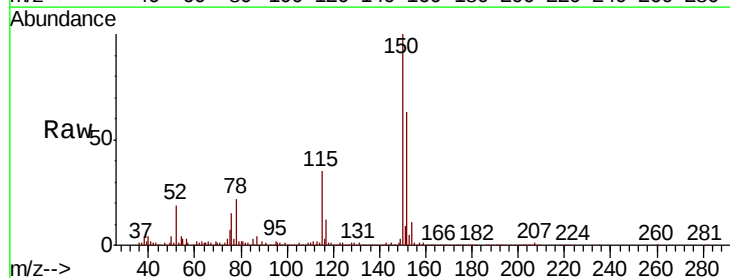
Instrument :
MSVOA_Y
ClientSampleId :
FK-BPM-01-C4-D4-C4A-D4A

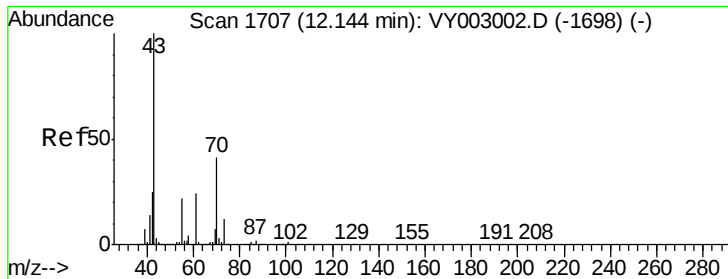
Tot Ion:117 Resp: 416459
Ion Ratio Lower Upper
117 100
82 50.7 43.0 64.6
119 31.6 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003131.D
Acq: 07 Jul 2020 17:02

Tgt Ion:152 Resp: 219533
Ion Ratio Lower Upper
152 100
115 54.1 27.3 81.9
150 156.8 0.0 343.4





#74

N-amvl acetate

Concen: 5.609 ug/l

RT: 12.06 min Scan# 1693

Delta R.T. -0.09 min

Lab File: VY003131.D

Acq: 07 Jul 2020 17:02

Instrument :

MSVOA_Y

ClientSampleId :

FK-BPM-01-C4-D4-C4A-D4A

Tot Ion: 43 Resp: 26234

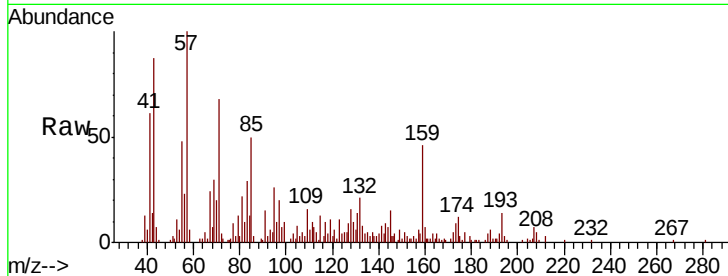
Ion Ratio Lower Upper

43 100

70 10.6 33.0 49.4#

55 0.0 18.2 27.2#

61 0.0 19.4 29.2#

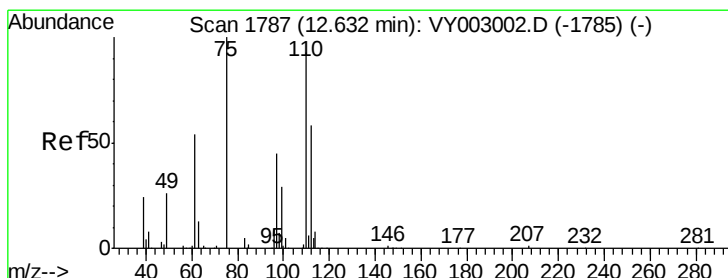
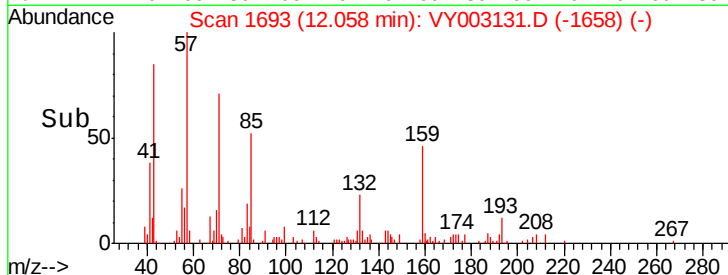
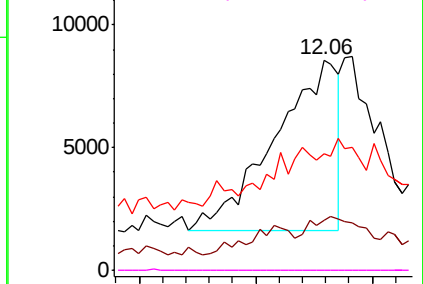


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0



#76

1,2,3-Trichloropropane

Concen: 45.516 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003131.D

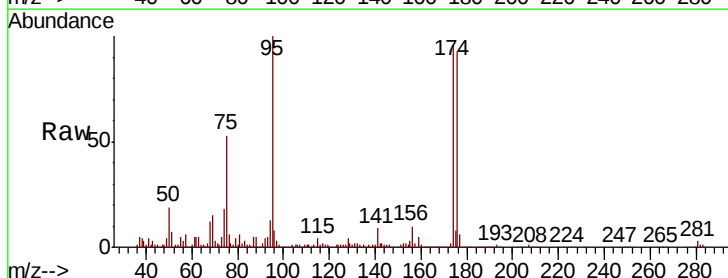
Acq: 07 Jul 2020 17:02

Tgt Ion: 75 Resp: 98893

Ion Ratio Lower Upper

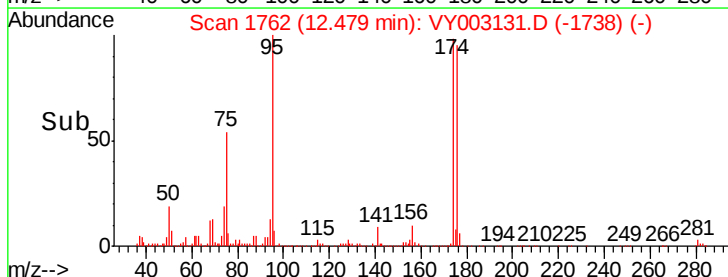
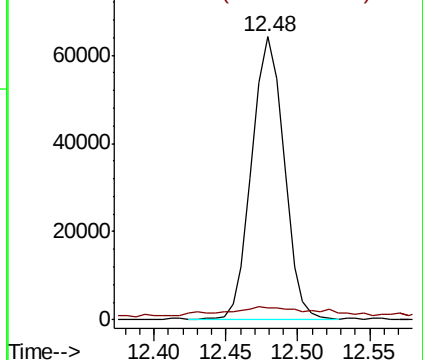
75 100

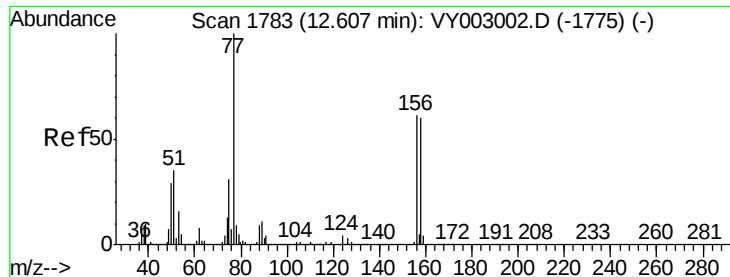
77 7.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 13.642 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. 0.07 min

Lab File: VY003131.D

Acq: 07 Jul 2020 17:02

Instrument :

MSVOA_Y

ClientSampleId :

FK-BPM-01-C4-D4-C4A-D4A

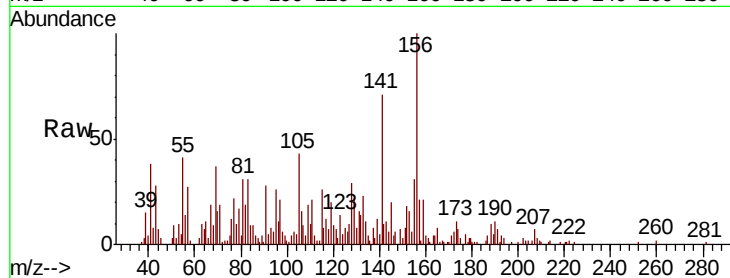
Tot Ion:156 Resp: 50256

Ion Ratio Lower Upper

156 100

77 10.8 90.0 270.0#

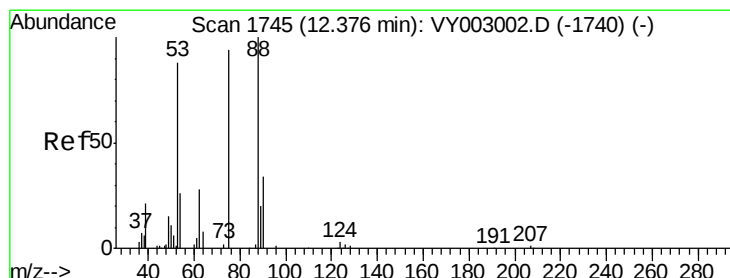
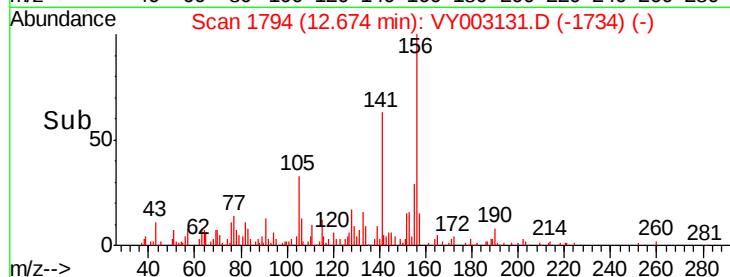
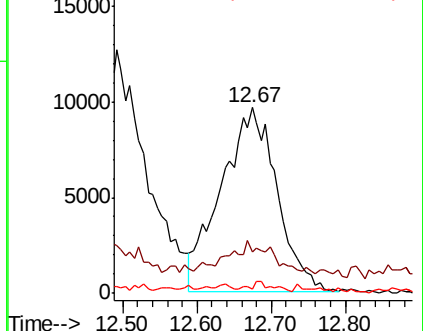
158 1.5 48.5 145.5#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 88.555 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003131.D

Acq: 07 Jul 2020 17:02

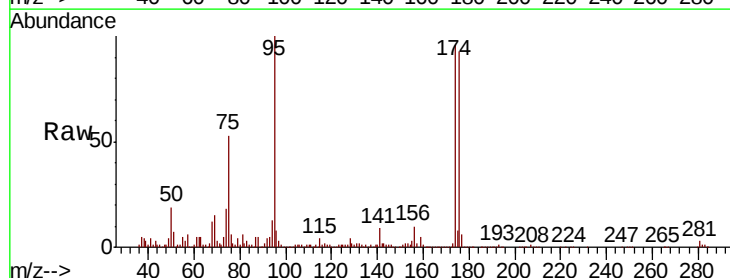
Tgt Ion: 75 Resp: 98893

Ion Ratio Lower Upper

75 100

53 0.9 73.9 110.9#

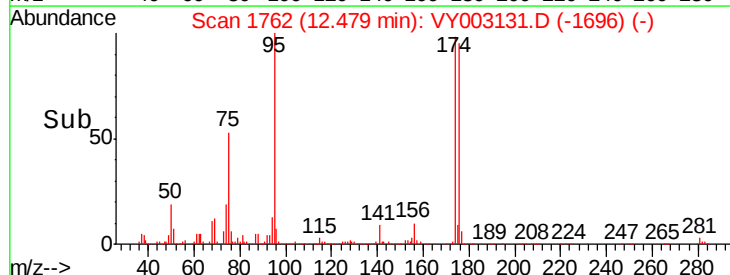
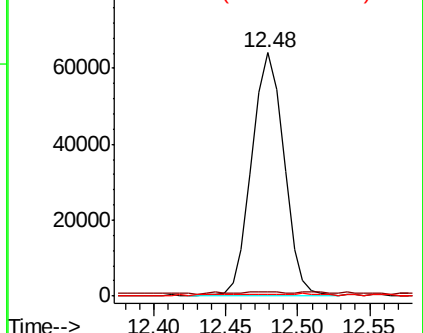
89 0.0 37.5 56.3#

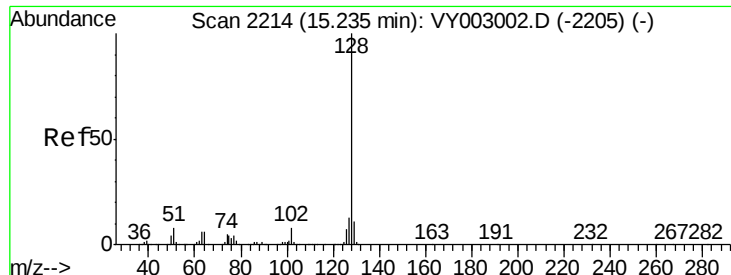


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#95
 Naphthalene
 Concen: 1.237 ug/l
 RT: 15.22 min Scan# 2212
 Delta R.T. -0.01 min
 Lab File: VY003131.D
 Acq: 07 Jul 2020 17:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-BPM-01-C4-D4-C4A-D4A

Tot Ion	Ratio	Lower	Upper
128	100		
127	41.3	10.8	16.2#
129	32.1	8.8	13.2#

